

Name: _____

p1103: Expand Product of Linear Binomials (v19)

Question 1

Expand the product of linear binomials. $(x - 6)(x + 5)$

$$x^2 + 5x - 6x - 30$$

$$x^2 - x - 30$$

Question 2

Expand the product of linear binomials. $(x - 9)(x - 1)$

$$x^2 - x - 9x + 9$$

$$x^2 - 10x + 9$$

Question 3

Expand the product of linear binomials. $(x + 6)(x + 4)$

$$x^2 + 4x + 6x + 24$$

$$x^2 + 10x + 24$$

Question 4

Expand the product of linear binomials. $(-8x - 8)(-5x - 5)$

$$40x^2 + 40x + 40x + 40$$

$$40x^2 + 80x + 40$$

Question 5

Expand the product of linear binomials. $(3x + 4)(7x + 1)$

$$21x^2 + 3x + 28x + 4$$

$$21x^2 + 31x + 4$$

Question 6

Expand the product of linear binomials. $(x + 8)(x - 6)$

$$x^2 - 6x + 8x - 48$$

$$x^2 + 2x - 48$$

Question 7

Expand the product of linear binomials. $(x - 1)(5x - 9)$

$$5x^2 - 9x - 5x + 9$$

$$5x^2 - 14x + 9$$

Question 8

Expand the product of linear binomials. $(x + 9)(x + 7)$

$$x^2 + 7x + 9x + 63$$

$$x^2 + 16x + 63$$

Question 9

Expand the product of linear binomials. $(5x + 4)(3x + 4)$

$$15x^2 + 20x + 12x + 16$$

$$15x^2 + 32x + 16$$

Question 10

Expand the product of linear binomials. $(3x + 8)(-3x + 3)$

$$-9x^2 + 9x - 24x + 24$$

$$-9x^2 - 15x + 24$$